

0500

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/602,775

DATE: 07/07/2000

TIME: 17:12:11

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\07072000\I602775.raw

4 <110> APPLICANT: Cashman, Neil  
5 Paramithiotis, Eustache  
6 Slon-Usakiewicz, Jacek  
7 Haghighat, Ashkan  
8 Pinard, Marc  
11 <120> TITLE OF INVENTION: PRION PROTEIN PEPTIDES AND USES THEREOF  
14 <130> FILE REFERENCE: 50111/002002  
C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/602,775  
C--> 16 <141> CURRENT FILING DATE: 2000-06-23  
16 <150> PRIOR APPLICATION NUMBER: 60/140,634  
17 <151> PRIOR FILING DATE: 1999-06-23  
19 <160> NUMBER OF SEQ ID NOS: 34  
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
23 <210> SEQ ID NO: 1  
24 <211> LENGTH: 4  
25 <212> TYPE: PRT  
26 <213> ORGANISM: Artificial Sequence  
28 <220> FEATURE:  
29 <223> OTHER INFORMATION: Synthetic peptide  
32 <221> NAME/KEY: VARIANT  
33 <222> LOCATION: (1)...(4)  
34 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
36 <400> SEQUENCE: 1  
W--> 37 Xaa Tyr Tyr Xaa  
38 1  
40 <210> SEQ ID NO: 2  
41 <211> LENGTH: 7  
42 <212> TYPE: PRT  
43 <213> ORGANISM: Artificial Sequence  
45 <220> FEATURE:  
46 <223> OTHER INFORMATION: Synthetic peptide  
49 <221> NAME/KEY: VARIANT  
50 <222> LOCATION: (1)...(7)  
51 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
53 <400> SEQUENCE: 2  
W--> 54 Xaa Tyr Tyr Xaa Tyr Tyr Xaa  
55 1 5  
57 <210> SEQ ID NO: 3  
58 <211> LENGTH: 10  
59 <212> TYPE: PRT  
60 <213> ORGANISM: Artificial Sequence  
62 <220> FEATURE:  
63 <223> OTHER INFORMATION: Synthetic peptide  
66 <221> NAME/KEY: VARIANT  
67 <222> LOCATION: (1)...(10)  
68 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
70 <400> SEQUENCE: 3

ENTERED

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W--> 71 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa  
72 1 5 10  
74 <210> SEQ ID NO: 4  
75 <211> LENGTH: 13  
76 <212> TYPE: PRT  
77 <213> ORGANISM: Artificial Sequence  
79 <220> FEATURE:  
80 <223> OTHER INFORMATION: Synthetic peptide  
83 <221> NAME/KEY: VARIANT  
84 <222> LOCATION: (1)...(13)  
85 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
87 <400> SEQUENCE: 4

W--> 88 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa  
89 1 5 10  
91 <210> SEQ ID NO: 5  
92 <211> LENGTH: 16  
93 <212> TYPE: PRT  
94 <213> ORGANISM: Artificial Sequence  
96 <220> FEATURE:  
97 <223> OTHER INFORMATION: Synthetic peptide  
100 <221> NAME/KEY: VARIANT  
101 <222> LOCATION: (1)...(16)  
102 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
104 <400> SEQUENCE: 5

W--> 105 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa  
106 1 5 10 15  
108 <210> SEQ ID NO: 6  
109 <211> LENGTH: 19  
110 <212> TYPE: PRT  
111 <213> ORGANISM: Artificial Sequence  
113 <220> FEATURE:  
114 <223> OTHER INFORMATION: Synthetic peptide  
117 <221> NAME/KEY: VARIANT  
118 <222> LOCATION: (1)...(19)  
119 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
121 <400> SEQUENCE: 6

W--> 122 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa  
123 1 5 10 15

W--> 124 Tyr Tyr Xaa  
127 <210> SEQ ID NO: 7  
128 <211> LENGTH: 22  
129 <212> TYPE: PRT  
130 <213> ORGANISM: Artificial Sequence  
132 <220> FEATURE:  
133 <223> OTHER INFORMATION: Synthetic peptide  
136 <221> NAME/KEY: VARIANT  
137 <222> LOCATION: (1)...(22)  
138 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
140 <400> SEQUENCE: 7

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```

W--> 141 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
      142 1 5 10 15
W--> 143 Tyr Tyr Xaa Tyr Tyr Xaa
      144 20
      146 <210> SEQ ID NO: 8
      147 <211> LENGTH: 25
      148 <212> TYPE: PRT
      149 <213> ORGANISM: Artificial Sequence
      151 <220> FEATURE:
      152 <223> OTHER INFORMATION: Synthetic peptide
      155 <221> NAME/KEY: VARIANT
      156 <222> LOCATION: (1)...(25)
      157 <223> OTHER INFORMATION: Xaa = Any Amino Acid
      159 <400> SEQUENCE: 8
W--> 160 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
      161 1 5 10 15
W--> 162 Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
      163 20 25
      165 <210> SEQ ID NO: 9
      166 <211> LENGTH: 28
      167 <212> TYPE: PRT
      168 <213> ORGANISM: Artificial Sequence
      170 <220> FEATURE:
      171 <223> OTHER INFORMATION: Synthetic peptide
      174 <221> NAME/KEY: VARIANT
      175 <222> LOCATION: (1)...(28)
      176 <223> OTHER INFORMATION: Xaa = Any Amino Acid
      178 <400> SEQUENCE: 9
W--> 179 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
      180 1 5 10 15
W--> 181 Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
      182 20 25
      184 <210> SEQ ID NO: 10
      185 <211> LENGTH: 31
      186 <212> TYPE: PRT
      187 <213> ORGANISM: Artificial Sequence
      189 <220> FEATURE:
      190 <223> OTHER INFORMATION: Synthetic peptide
      193 <221> NAME/KEY: VARIANT
      194 <222> LOCATION: (1)...(31)
      195 <223> OTHER INFORMATION: Xaa = Any Amino Acid
      197 <400> SEQUENCE: 10
W--> 198 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
      199 1 5 10 15
W--> 200 Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
      201 20 25 30
      203 <210> SEQ ID NO: 11
      204 <211> LENGTH: 34
      205 <212> TYPE: PRT

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206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Synthetic peptide
212 <221> NAME/KEY: VARIANT
213 <222> LOCATION: (1)...(34)
214 <223> OTHER INFORMATION: Xaa = Any Amino Acid
216 <400> SEQUENCE: 11
W--> 217 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
      218 1 5 10 15
W--> 219 Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr
      220 20 25 30
W--> 221 Tyr Xaa
224 <210> SEQ ID NO: 12
225 <211> LENGTH: 4
226 <212> TYPE: PRT
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Synthetic peptide
233 <221> NAME/KEY: VARIANT
234 <222> LOCATION: (1)...(4)
235 <223> OTHER INFORMATION: Xaa = Any Amino Acid
237 <400> SEQUENCE: 12
W--> 238 Xaa Tyr Tyr Arg
      239 1
241 <210> SEQ ID NO: 13
242 <211> LENGTH: 4
243 <212> TYPE: PRT
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Synthetic peptide
250 <221> NAME/KEY: VARIANT
251 <222> LOCATION: (1)...(4)
252 <223> OTHER INFORMATION: Xaa = Any Amino Acid
254 <400> SEQUENCE: 13
W--> 255 Xaa Tyr Tyr Gln
      256 1
258 <210> SEQ ID NO: 14
259 <211> LENGTH: 4
260 <212> TYPE: PRT
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Synthetic peptide
267 <221> NAME/KEY: VARIANT
268 <222> LOCATION: (1)...(4)
269 <223> OTHER INFORMATION: Xaa = Any Amino Acid
271 <400> SEQUENCE: 14
W--> 272 Xaa Tyr Tyr Asp
      273 1
275 <210> SEQ ID NO: 15

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276 <211> LENGTH: 13
277 <212> TYPE: PRT
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Synthetic peptide
284 <221> NAME/KEY: VARIANT
285 <222> LOCATION: (1)...(13)
286 <223> OTHER INFORMATION: Xaa = Any Amino Acid
288 <400> SEQUENCE: 15
W--> 289 Xaa Tyr Tyr Xaa Xaa Tyr Tyr Xaa Tyr Tyr Tyr Tyr Xaa
      290 1 5 10
292 <210> SEQ ID NO: 16
293 <211> LENGTH: 16
294 <212> TYPE: PRT
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Synthetic peptide
301 <221> NAME/KEY: VARIANT
302 <222> LOCATION: (1)...(16)
303 <223> OTHER INFORMATION: Xaa = Any Amino Acid
305 <400> SEQUENCE: 16
W--> 306 Xaa Tyr Tyr Xaa Xaa Tyr Tyr Xaa Tyr Tyr Tyr Tyr Xaa Tyr Tyr Xaa
      307 1 5 10 15
309 <210> SEQ ID NO: 17
310 <211> LENGTH: 19
311 <212> TYPE: PRT
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Synthetic peptide
318 <221> NAME/KEY: VARIANT
319 <222> LOCATION: (1)...(19)
320 <223> OTHER INFORMATION: Xaa = Any Amino Acid
322 <400> SEQUENCE: 17
W--> 323 Xaa Tyr Tyr Xaa Xaa Tyr Tyr Xaa Tyr Tyr Tyr Tyr Xaa Tyr Tyr Xaa
      324 1 5 10 15
W--> 325 Tyr Tyr Xaa
328 <210> SEQ ID NO: 18
329 <211> LENGTH: 22
330 <212> TYPE: PRT
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Synthetic peptide
337 <221> NAME/KEY: VARIANT
338 <222> LOCATION: (1)...(22)
339 <223> OTHER INFORMATION: Xaa = Any Amino Acid
341 <400> SEQUENCE: 18
W--> 342 Xaa Tyr Tyr Xaa Xaa Tyr Tyr Xaa Tyr Tyr Tyr Tyr Xaa Tyr Tyr Xaa
      343 1 5 10 15
W--> 344 Tyr Tyr Xaa Tyr Tyr Xaa

```

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/602,775

DATE: 07/07/2000  
TIME: 17:12:12

Input Set : A:\seqlist.txt  
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L:16 M:270 C: Current Application Number differs, Replaced Current Application No  
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:37 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:88 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
L:382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
L:399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
L:401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
L:418 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25